Reply to Office Action of February 5, 2003

Page 2

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A liquid-crystalline medium of positive dielectric anisotropy, which comprises one or more compounds of the formula I:

$$R^1 \longrightarrow H \longrightarrow O \longrightarrow K^1$$

in which

R¹ is an alkyl or alkenyl radical having 1 or 2 to 7 carbon atoms respectively, and

 X^1 is F, OCF₃ or OCHF₂;

one or more compounds of the formula II

$$R^2$$
 \longrightarrow O \longrightarrow O \longrightarrow X^2 \longrightarrow Y \longrightarrow

A

in which

R² is an alkyl or alkenyl radical having 1 or 2 to 7 carbon atoms respectively, and

X² is F, OCF₃ or OCHF₂; and

one or more compound(s) of the formula IV

$$R^4 + H + O - X^4$$
 IV

in which

R⁴ is an alkyl or alkenyl radical having 1 or 2 to 7 carbon atoms respectively,

X⁴ is F₁ or Cl, OCF₃ or OCHF₂; and

k is 0 or 1.

2. (Original) The medium according to Claim 1, which further comprises one or more compounds of the formula III

in which

 R^3 is an alkyl or alkenyl radical having 1 or 2 to 7 carbon atoms respectively, Z^{32} and, if present, Z^{31}

are each, independently of one another, -CH₂-CH₂-, -CH=CH- or a single bond,

 X^3 is F, OCF₃ or OCHF₂, and

r is 0 or 1.

3. (Original) A medium according to Claim 1, which further comprises one or more compounds of the formula V

Reply to Office Action of February 5, 2003

Page 4

in which

are each, independently of one another,

A1 Cont

R⁵¹ and R⁵² are each, independently of one another, an alkyl, alkoxy or alkenyl radical having 1 or 2 to 7 carbon atoms respectively, and

n and m are each, independently of one another, 0 or 1.

4. (Original) A medium according to Claim 2, which further comprises one or more compounds of the formula V

in which

$$A^{51}$$
 , A^{52} and A^{53}

are each, independently of one another,

Reply to Office Action of February 5, 2003

Page 5

R⁵¹ and R⁵² are each, independently of one another, an alkyl, alkoxy or alkenyl radical having 1 or 2 to 7 carbon atoms respectively, and n and m are each, independently of one another, 0 or 1.

- 5. (Original) A medium according to Claim 1, wherein the proportion of compounds of the formula I in the medium as a whole is at least 5% by weight.
- 6. (Original) A medium according to Claim 4, wherein the proportion of compounds of the formulae II to V together in the medium as a whole is from 40% to 90% by weight.
- 7. (Original) A multibottle liquid-crystal system which comprises a medium according to claim 1.
- 8. (Original) An electro-optical device which comprises a liquid-crystalline medium of claim 1.
- 9. (Original) A medium according to claim 4, which consists essentially of compounds of the formulae I to V.

Reply to Office Action of February 5, 2003

Page 6

10. (Currently Amended) A medium according to claim 1, which exhibits a nematic phase at least down to -20° C and at least above 75°C, a birefringence value of \leq 0.090 or \geq 0.100, and a rotational viscosity, γ_1 at 20°C, of less than 160mPa·s.

- 11. (Currently Amended) A medium according to claim 4 which comprises a concentration of 3-65% compounds of the formula I, 3-40% of compounds of the formula II, 2-50% of compounds of the formula III, 10-50% of compounds of the formula IV and 0-30% or less of compounds of the formula V.
- 12. (Original) A medium according to claim 4, which comprises more than 50% of compounds of the formula I to V.
- 13. (Original) A medium according to claim 4 which comprises more than 90% of compounds of the formula I to V.
- 14. (Original) A medium according to claim 2, which consists essentially of compounds of the formula I to IV.
- 15. (Currently Amended) A medium according to claim 1, wherein, in formula IV, X^4 is F or OCF₃.
- 16. (New) A medium according to claim 1, which comprises a compound of the formula IV wherein k = 0.

A2